

In the Application of:
 MANSFELD et al.
 Serial No.: New Application

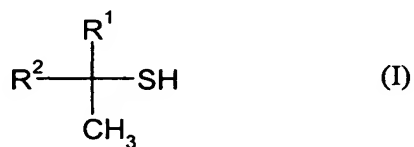
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IN THE CLAIMS:

1. (Original) Mixtures containing
 - A) at least two different acrylic acid-C₁-C₆-alkylesters;
 - B) at least a compound from the group comprising C₁-C₈-mercaptans, C₄-C₁₂-thiophenes, C₂-C₈-sulphides or C₂-C₈-disulphides;
 - C) at least a compound from the group comprising norbornenes, C₁-C₅-carboxylic acids, C₁-C₈-aldehydes, C₆-C₁₄ phenols, C₇-C₁₄ anisoles or C₄-C₁₄ pyrazines;
 - D) if necessary an antioxidant.

2. (Amended) Mixtures according to Claim 1, ~~characterised in that these contain~~ containing:
 - A) at least two different acrylic acid-C₁-C₄-alkylesters;
 - B) at least a compound from the group comprising C₁-C₈-mercaptans, C₄-C₈-thiophenes, C₂-C₈-sulphides or C₂-C₈-disulphides;
 - C) at least a compound from the group comprising norbornenes, C₂-C₅-carboxylic acids, C₂-C₅-aldehydes, C₆-C₁₀ phenols, C₇-C₁₀ anisoles or C₄-C₁₀ pyrazines;
 - D) at least an antioxidant.

3. (Amended) Mixtures according to Claim 1, ~~characterised in that these contain~~ containing:
 - A) acrylic acid methyl esters, acrylic acid ethyl esters and if necessary a further acrylic acid-C₁-C₆-alkylester;
 - B) at least a compound from the group comprising thiophenes, tetrahydrothiophenes, dimethyl sulphides, diethyl sulphides, di-n-propyl sulphides, diisopropyl sulphides, dimethyl disulphides, diethyl disulphides, di-n-propyl disulphides, diisopropyl disulphides or mercaptans of formula (I)



where

R¹ signifies hydrogen, methyl or ethyl, preferably methyl, and

- R² signifies an alkyl group with between 1 and 4 carbon atoms, preferably methyl, ethyl, isopropyl, isobutyl or tert.-butyl;
- C) at least a compound from the group comprising norbornene, 2,5-norbonadienes, C₂-C₅-carboxylic acids, C₂-C₅-aldehydes, C₁-C₄-monoacetylated pyrazines, and C₁-C₄ monoalkylated phenols;
- D) at least an antioxidant.
4. (Amended) Mixtures according to Claim 1, ~~characterised in that these contain~~ containing:
- A) acrylic acid methyl esters and acrylic acid ethyl esters;
- B) tert.-butylmercaptans;
- C) at least a compound from the group comprising norbornenes, propionaldehydes, isovaleraldehydes, isovalerianic acids, 2-ethyl phenols, 4-ethyl phenols, 2-acetyl pyrazines;
- D) at least an antioxidant.
5. (Amended) Mixtures according to ~~at least one of Claims 1 to 4, characterised in that these contain~~ Claim 1, wherein said mixtures contain an antioxidant chosen from among tert.-butyl hydroxytoluol, tert.-butyl hydroxyanisole or hydroquinone mono-methylether.
6. (Amended) Mixtures according to ~~at least one of Claims 1 to 5, characterised in that these mixtures contain~~ Claim 1, containing:
- 60-97% by weight of components A),
1-40% by weight of components B),
1-40% by weight of components C)
and 0.05-2% by weight of components D).
7. Mixtures according to ~~at least one of Claims 1 to 5, characterised in that these mixtures contain~~ Claim 6, containing:
- 70-95% by weight of components A),
2-30% by weight of components B),
2-30% by weight of components C)
and 0.1-1% by weight of components D).

8. (Amended) Mixtures according to ~~at least one of Claims 1 to 7, characterised in that the~~
Claim 1, having a weight ratio between components B) and components C) is in the range of 3: 1 to 1 : 3.
9. (Cancelled)
10. (Amended) Liquid gas containing mixtures according to ~~at least one of Claims 1 to 8~~ Claim
1.
11. (Amended) Method for ~~odorization of~~ providing a noticeable odor to virtually odorless
liquid gas, ~~characterised in that comprising: adding a mixture according to at least one of Claims 1 to 8 is~~
~~added~~ Claim 1 to the liquid gas.
12. (Original) Method according to Claim 11, characterised in that the mixture is added to the
liquid gas in a quantity of 5 – 100 mg / kg of liquid gas.